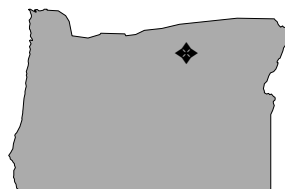


Size: 19,729 acres
Mission: Store ammunition
HRS Score: 31.31; placed on NPL in July 1987
IAG Status: Federal Facility Agreement signed in October 1989
Contaminants: Explosives, UXO, heavy metals, pesticides, and nitrates
Media Affected: Groundwater and soil
Funding to Date: \$48.4 million
Estimated Cost to Completion (Completion Year): \$21.5 million (FY2023)
Final Remedy in Place or Response Complete Date for BRAC Sites: FY1998



Hermiston, Oregon

Restoration Background

In 1941, the Army established Umatilla Chemical Depot Activity as an ordnance facility for storing conventional munitions. Between 1945 and 1955, the installation's functions expanded to include demolition, renovation, and maintenance of ammunition. In 1962, the Army began to store chemical munitions at the depot. In December 1988, the BRAC Commission recommended realignment of the installation.

Studies from FY87 to FY90 identified 80 sites, including explosives-washout lagoons, an open burning and open detonation area, pesticide disposal pits, a deactivation furnace, and landfills. In FY92, the sites were grouped into nine operable units (OUs).

In FY92, the Army signed a Record of Decision (ROD) selecting bioremediation by windrow composting as the treatment for the Washout Lagoon Soil OU. A ROD was also signed for the Deactivation Furnace OU, selecting solidification and stabilization of lead-contaminated soil. In FY93, the Army and regulators signed two RODs for no further action at two landfills.

In FY94, the installation completed Phase I of the bioremediation program for explosives-contaminated soil in the washout lagoon and stabilized lead-contaminated soil from the deactivation furnace. To meet BRAC program milestones, the installation transferred its conventional weapons mission to another installation. The commander formed a BRAC cleanup team (BCT), which completed a BRAC Cleanup Plan (BCP). The commander also converted the installation's technical review committee to a Restoration Advisory Board (RAB).

In FY95, the installation designated 14,000 acres as CERFA-clean, and regulatory agencies concurred on about 11,000 acres. The

installation completed RODs for the Groundwater OU, the Bomb Washout Plant OU, the Miscellaneous Sites OU, and the Ammunition Demolition Activity Area (ADA) OU. A decision document was completed for supplementary sites. The Army completed the Remedial Design (RD) for groundwater treatment and for soil stabilization at the Miscellaneous Sites OU, the ADA OU, and the Bomb Washout Plant OU. The RD for the Groundwater OU addressed a 350-acre plume contaminated with explosives.

In FY96, the Army completed the lead-based paint assessment, and bioremediation of 10,000 cubic yards of explosives-contaminated soil. In FY97, the Army began operating a groundwater treatment facility constructed in FY96 and completed remediation of contaminated soil in the ADA OU, the Miscellaneous Sites OU, and the Bomb Washout Plant OU.

The BCT approved the final Environmental Monitoring Plan for the Active Landfill OU, held scoping meetings on the closure cap at the Landfill OU, conducted unexploded ordnance (UXO) subsurface characterization at the ADA OU, and completed the latest BCP. The BCT also began preparing clean-closure documents for ADA and Washout Lagoon soil, the Miscellaneous Sites OU, the Deactivation Furnace OU, and the Bomb Washout Plant OU.

FY98 Restoration Progress

The installation completed landfill closure and capping in October 1997. The BCT completed Remedial Action (RA) Reports (clean-closure documents) for the Washout Lagoon Soil, Deactivation Furnace, Miscellaneous Sites, and Active Landfill OUs.

The installation completed geophysical mapping and an Engineering Sampling Analysis Report for UXO in the ADA OU. It also completed a draft Environmental Baseline Survey (EBS) and a finding

of suitability to lease (FOSL) for interim leasing of 100/200-series warehouses and the Rail Classification Yard and released the EBS and FOSL for public comment. All remaining heating oil underground storage tanks were removed and converted to aboveground propane tanks. The installation has removed and disposed of all investigation-derived wastes generated during Remedial Investigation and Feasibility Study activities and well development.

The first three activities in the current plan of action were originally scheduled for completion during FY98. They were delayed by lengthy regulatory comment periods and technical data gaps.

Plan of Action

- Complete RA Reports on Bomb Washout Plant and ADA OUs in FY99
- Complete National Priorities List (NPL) partial delisting documents during FY99
- Complete negotiations for UXO cleanup of ADA OU in FY99
- Complete next version of BCP in FY99
- Complete EBS and FOSL for interim lease of 100/200-series warehouses and Rail Classification Yard to Umatilla Local Reuse Authority in FY99
- In FY99, conduct additional soil sampling at selected sites in ADA OU discovered during geophysical mapping and subsurface UXO characterization
- Complete the RA Report for the Lagoons Groundwater OU and prepare the remaining documentation required for property transfer in FY06-FY07

SITES ACHIEVING RIP OR RC PER FISCAL YEAR

